

BASF Wyandotte Corporation
North Works Power Plant
1609 Biddle Avenue
Wyandotte, Michigan

Date of Inspection: February 9, 1982

I. STATE OF CONFIDENTIALITY CLAIM

No confidentiality claims were made by the plant representatives during the inspection, and no confidentiality agreements were signed by the inspection team.

II. ATTENDEES

For BASF Wyandotte Corporation:

Mr. Charles W. Axce, General Manager, Wyandotte Site

For Pacific Environmental Services, Inc. (representing U.S. EPA Region V):

Mr. Eddy Lin, Environmental Engineer

Mr. Ronald Kolzow, Environmental Scientist

For Downriver Air Pollution Control Office, Wayne County Dept. of Health:

Mr. Wilson Boyd, Combustion Equipment Inspector

III. PLANT INSPECTION

A. Summary of Facility Activity

The PES inspection team visited BASF Wyandotte to verify the North Works Power Plant shutdown per U.S. EPA Region V instructions. The following information was obtained. The BASF Wyandotte Corporation North Works Power Plant has utilized five coal-fired boilers (Nos. 7, 9, 10, 11, and 12) for process steam. In the past few years, only boiler Nos. 10, 11, and 12 were used. All of the boilers above are described in Table III-1.



Table III-1. BOILER DATA (COAL-FIRED)

Unit:	No. 7	No. 9	No. 10	No. 11	No. 12
Operational Status:	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
Year Installed:	Unknown	Unknown	1948	1966	1966
Rated Heat Input: (10 ⁶ Btu/hr)	210	330	330	330	330
Type of Fuel:	- - - - - Pulverized Bituminous Coal - - - - -				

The boilers described have been shutdown since November 15, 1981. Mr. Charles Axce of BASF Wyandotte Corporation informed the inspectors that bids for demolition of the defunct facility (Photograph No. 1, Attachment 1) are to be submitted by March 1, 1982. A letter of verification of the shutdown of the North Works Power Plant has been submitted by Mr. H.D. Roush, Manager of Environmental Protection, Health, and Safety, BASF Wyandotte Corporation, and is presented in Attachment 2.

This facility now employs four natural gas-fired (No. 6 fuel oil backup) boilers to supply process steam. The boilers have been in operation since November 15, 1981 and are described in Table III-2. The No. 6 fuel oil is stored in one above-ground 147,000 gallon tank.

Table III-2. PACKAGE BOILER DATA*

Description:	Nos. 1, 2, 3, and 4 Steam Generators
Manufacturer:	Zurn Industries, Inc.
Model No.:	49.9M Keystone
Rating:	49.9 x 10 ⁶ Btu/hr each
Stack Height:	150 feet
Fuel:	Natural Gas (No. 6 fuel oil standby)

*Boiler Nos. 1, 2, 3, and 4 are identical units

B. Visible Emission Observation

A visible emission observation of the boiler stack indicated an opacity of zero percent (other than uncombined water vapor, Photograph No. 2, Attachment 2).